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ASSISTANT COMMISSIONER PATENTS
PATENT APPLICATION
Washington, D.C. 20231

Transmitted herewith for filing is the Patent Application of:

Inventors: R. M. Bolle et al
For: SYSTEM AND METHOD FOR LIVENESS AUTHENTICATION USING AN AUGMENTED
CHALLENGE/RESPONSE SCHEME

☒ Six(6) Sheets of formal Drawings.

☒ An assignment of the invention to International Business Machines Corporation, Armonk, New York 10504.

☐ Certified copy of ☐ Patent Application No.

☒ Declaration and Power of Attorney is attached to the application.

☐ Associate Power of Attorney.

☒ Information Disclosure Statement with form PTO-1449 with references attached.

The filing fee has been calculated as shown below:

(Col. 1)		(Col. 2)	OTHER THAN A SMALL ENTITY	
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TOTAL CLAIMS	19- 20 =	3	X \$ 18 =	\$ 0.00
INDEP CLAIMS	5 - 3 =	2	X \$ 78 =	\$ 156.00
<input type="checkbox"/> MULTIPLE DEPENDENT CLAIM PRESENTED			+ \$ 260=	\$ 0.00
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☒ Any additional filing fees required under 37 CFR 1.16.

☒ Any patent application processing fees under 35 CFR 1.17.

Respectfully submitted,

By

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IBM CORPORATION
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



A

In re application of: R.M. Bolle et al

Serial No.:

Group No.

Filed: Herewith

Examiner:

For: SYSTEM AND METHOD FOR LIVENESS AUTHENTICATION USING AN AUGMENTED CHALLENGE/RESPONSE SCHEME

Commissioner of Patents and Trademarks
Washington, D.C. 20231

EXPRESS MAIL CERTIFICATE

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I hereby certify that the attached paper or fee

Patent Application Transmittal Letter (original and one copy)

Patent Application

Declaration and Power of Attorney

Informal Drawings (6 Sheets)

Recordation Form Cover Sheet

Assignment to IBM

Information Disclosure Statement

Form PTO-1449 with references

Return Postcard

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Commissioner of Patents and Trademarks, Washington, D.C. 20231.

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Docket No. YO999-159